

Enock UWUMUKIZA

Software Developer

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📍 Kigali, Rwanda

📅 2000-10-09

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PROFESSIONAL SUMMARY

Dedicated Software Developer with advanced programming expertise, specializing in web development, data science, and artificial intelligence. Proficient in Python, JavaScript, machine learning frameworks, and full-stack development. Passionate about leveraging technology to create innovative solutions through data-driven development and modern web technologies.



LANGUAGES

Kinyarwanda
Native

English
Fluent



EDUCATION

Currently Pursuing Bachelor's Degree

INES Ruhengeri

2026 | Kigali, Rwanda

Year 3 Completed | Expected Graduation: 2026

A-Level Diploma

G.S. Kigeme A Secondary School

Nyamagabe District, South Province, Rwanda

Completed advanced secondary education with focus on sciences, providing strong foundation for technical studies.



TECHNICAL SKILLS

Programming Languages

- Python
- JavaScript
- SQL

Web Technologies

- React.js
- Node.js
- FastAPI
- Django

Data Science & AI

- scikit-learn
- TensorFlow
- OpenCV
- Data Analysis

Databases & Tools

- MongoDB
- SQL Databases
- Git
- GitHub



KEY PROJECTS

Real-Time Chat Application

Built a full-stack real-time messaging application using React.js, Node.js, and WebSocket technology. Features user authentication, message persistence, and responsive design optimized for team communication and collaboration.

Real-Time Cyber Threat Detection System

Engineered an intelligent security monitoring system using Python, machine learning (scikit-learn, TensorFlow), and computer vision (OpenCV). Implements real-time threat analysis, automated alert generation, and comprehensive security visualization dashboard.

Data Analytics Platform

Designed a comprehensive data management system combining advanced data analytics. Features automated quality control, predictive analytics for data trends, and API integration capabilities.

BLAST Search Wrapper - Bioinformatics Tool

Developed a comprehensive sequence analysis tool using Python for automated data processing. Streamlines data analysis with user-friendly interface, enabling efficient data comparisons and processing.



CERTIFICATIONS

- Scientific Computing with Python - FreeCodeCamp.org
- Data Analysis with Python - FreeCodeCamp.org
- Back End Development and APIs - FreeCodeCamp.org
- JavaScript Algorithms and Data Structures - FreeCodeCamp.org



CORE COMPETENCIES

Technology & Development

- Full-Stack Web Development
- Machine Learning & AI (scikit-learn, TensorFlow)
- Computer Vision & Image Processing (OpenCV)
- Computational Biology & Bioinformatics
- Database Design & API Development
- Version Control & Collaborative Development
- Data Analysis & Visualization
- Software Architecture & Design
- Automated Testing & Quality Assurance